

CTR Employer Survey Report

Thank you for completing your Commute Trip Reduction survey. This report contains the survey results.

Employer Id : E84962

Employer : Seattle Housing Authority

Worksite : Central Office/Wakefield Building

Street : 190 Queen Anne Ave N

Jurisdiction : City of Seattle

Survey Date : 10/27/2015

Survey Type : Online

Response Rate : 75%

Drive Alone & One-Way VMT Rates at this Worksite

Employees and Survey Response Information

Drive Alone : 28.5%

One-Way VMT per employee : 5.6

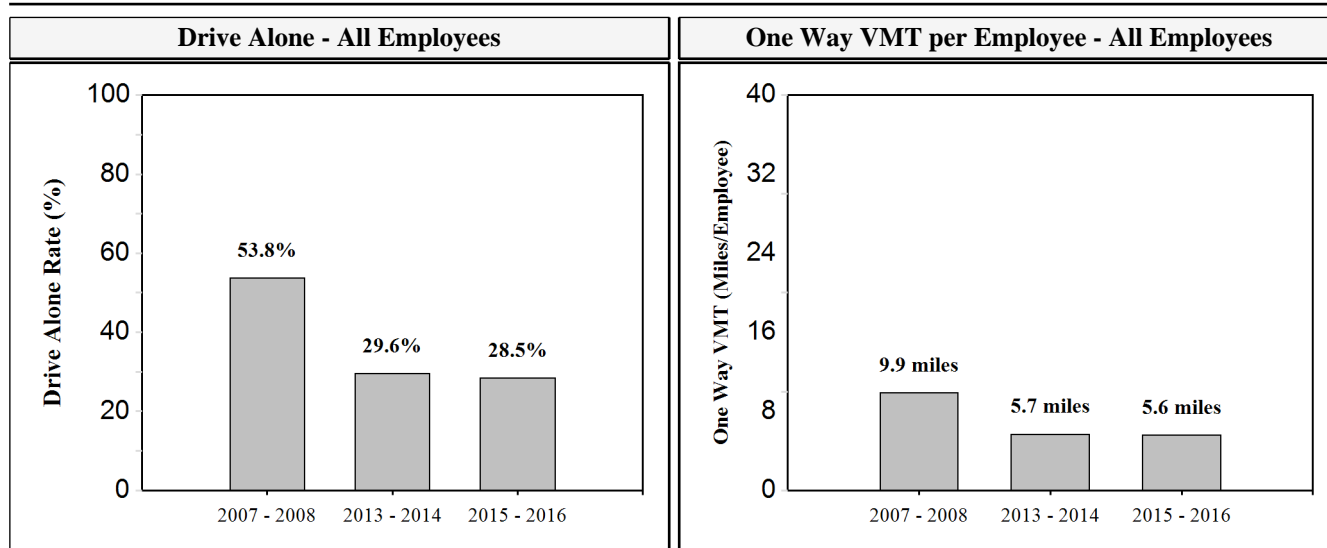
Reported Total Employees at Worksite: 225

Surveys Distributed : 225

Surveys Returned : 169

Surveys Returned by CTR Affected Employees : 161

Total Estimated CTR - Affected Employees at Worksite : 214



Site History and Goal

Cycle	Drive Alone - All	Drive Alone - CTR Affected	VMT / Employee - All	VMT / Employee - CTR Affected
2007 - 2008	53.8%	53.0%	9.9	9.6
2009 - 2010	37.0%	35.0%	7.4	7.3
2011 - 2012	30.4%	29.7%	6.6	6.4
2013 - 2014	29.6%	28.0%	5.7	5.5
2015 - 2016	28.5%	28.2%	5.6	5.7
2017 - 2018	N/A	N/A	N/A	N/A
2019 - 2020	N/A	N/A	N/A	N/A
Goal	TBD	TBD	TBD	TBD
Percent Change	-47.0%	-46.8%	-43.4%	-40.6%

Comparison Between Rates With and Without Fill-In

The survey response rate is indicated on Page 1. To encourage a response rate of at least 70%, additional drive alone trips are added to survey results for worksites with a response rate of less than 70%. For these worksites it is assumed that non-responding employees between the actual response rate and 70% drive alone 5 days a week. These additional trips represent the "Fill-In" applied. Note that fill-in is not applied to a worksite's first survey in the 2007 to 2012 cycle (their baseline survey).

	2007 - 2008	2013 - 2014	2015 - 2016
Drive Alone - All Employees*	53.8%	29.6%	28.5%
Drive Alone - CTR Affected Employees*	53.0%	28.0%	28.2%
VMT/Employee - All Employees	9.9	5.7	5.6
VMT/Employee - CTR Affected Employees	9.6	5.5	5.7

* Drive alone rate includes one person motorcycles.

Congratulations! You achieved a survey response rate of 70% or higher on this survey. Fill-in comparison for previous surveys, if applicable, are included in the chart above.

GHG Emissions: Total for Drive Alone, Carpools, Vanpools

Annual Greenhouse Gas Emissions (Metric Tons CO₂e) for Roundtrip Commute*

Value	2007 - 2008	2013 - 2014	2015 - 2016
Emissions for Surveyed Employees	216	186	195
Estimated Emissions for Total Employment	288	633	259

* Estimated based on VMT from commuters driving alone, carpooling, vanpooling, or motorcycling, without fill-in applied.

Bus Transit Passenger Miles and Rail Transit Passenger Miles*

Annual Transit Passenger Miles (includes Roundtrip Commute)	2007 - 2008	2013 - 2014	2015 - 2016
Bus Annual Passenger Miles - Estimated for Total Employment	126,800	1,213,333	387,692
Bus Annual Passenger Miles - Surveyed Employees	95,100	357,000	291,200
Ferry Annual Passenger Miles - Estimated for Total Employment	0	207,320	106,908
Ferry Annual Passenger Miles - Surveyed Employees	0	61,000	80,300
Train/Light Rail/Streetcar Annual Passenger Miles - Estimated for Total Employment	136,133	283,451	183,595
Train/Light Rail/Streetcar Annual Passenger Miles - Surveyed Employees	102,100	83,400	137,900

* Transit passenger miles can be used to gauge changes in transit usage, and also to calculate greenhouse gas emissions from transit commute trips. However, emissions attributable to transit vary widely, depending on the efficiency/energy source of transit vehicles and transit vehicle passenger load (typically ranging from 0.1 to 0.9 pounds CO₂e emissions/passenger mile). Employers are strongly encouraged to contact their local transit agencies for more precise information on GHG emissions for their transit trips. If nothing else is available, the value of 0.47 pounds (0.00021 metric tons) per passenger mile can be used to estimate CO₂e emissions for bus transit, and 0.39 pounds (0.00018 metric tons) CO₂e emissions per passenger mile for train/light rail/streetcar.

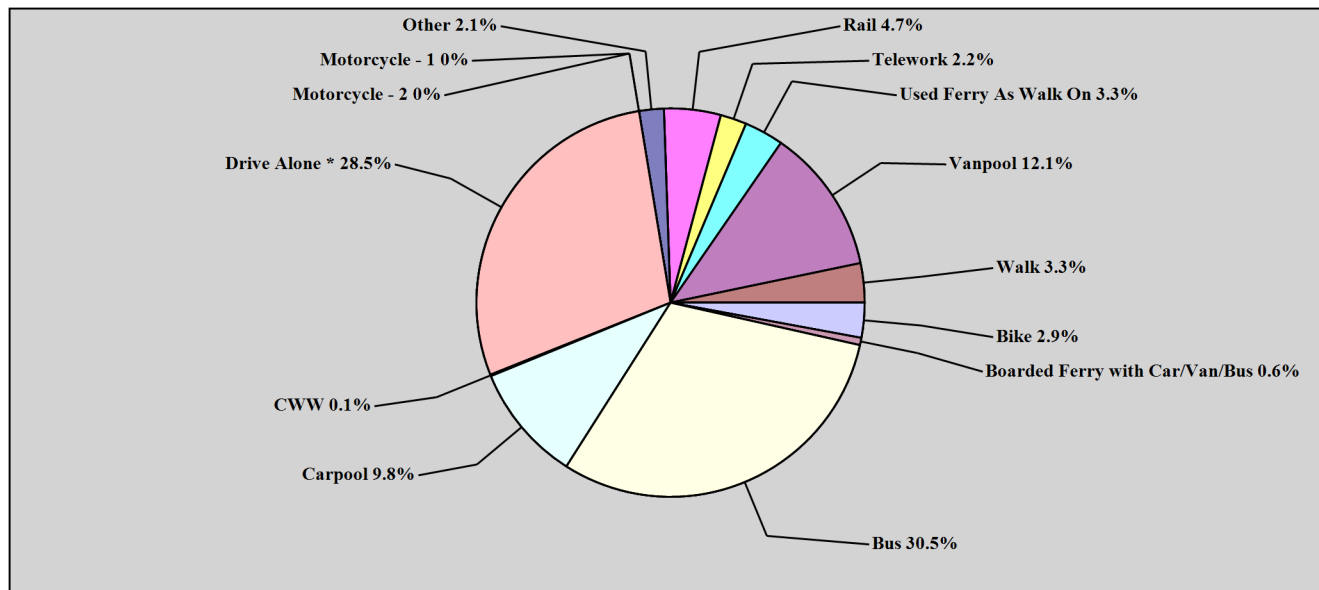
Q3.

One way, how many miles do you commute from home to your usual work location?
Average one-way distance home to work: 16.9 miles

Commute Trips By Mode - All Employees

Q.4a: Last week, what type of transportation did you use each day to commute TO your usual work location? (Mode used for the longest distance.)

Mode Split - All Employees



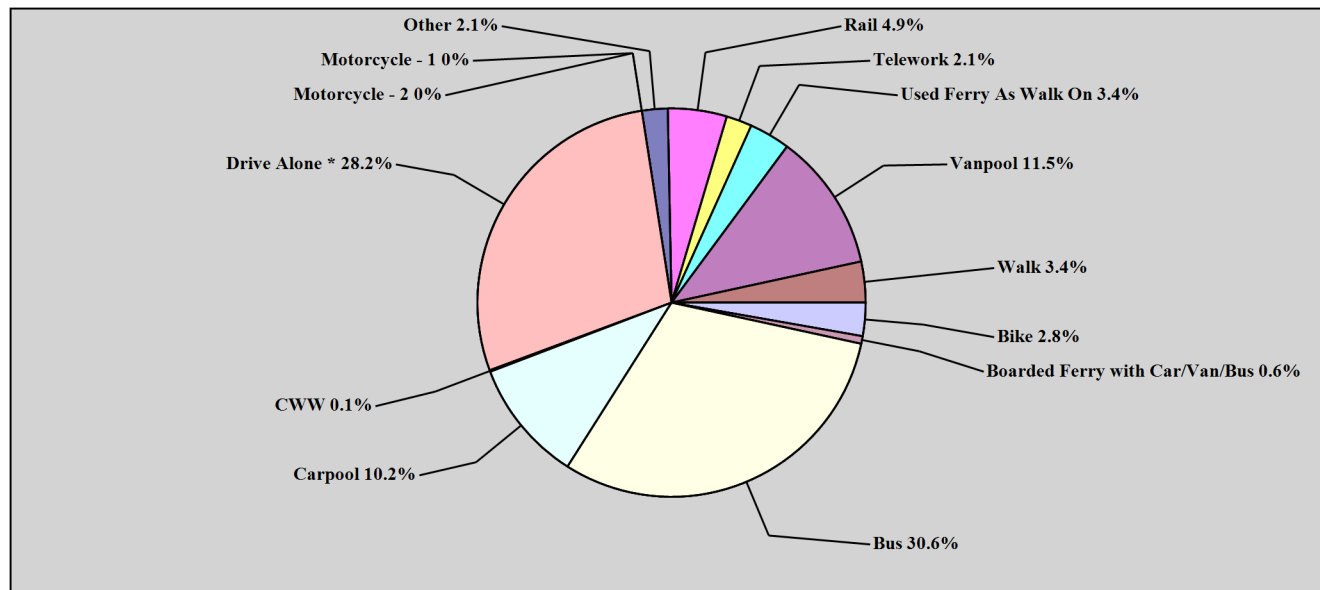
Mode	Trips During This Survey Week	% of Trips During This Survey Week	% of Trips During Previous Survey Week	Employees Who Used This Mode at Least Once During This Survey Week	% of Employees Who Used This Mode at Least Once During This Survey Week	% of Employees Who Used This Mode at Least Once During Previous Survey Week
Drive Alone *	235	28.5%	29.1%	63	37.3%	42.5%
Carpool	81	9.8%	10.1%	21	12.4%	14.4%
Vanpool	100	12.1%	13.0%	21	12.4%	14.4%
Motorcycle - 1	0	0.0%	0.0%	0	0.0%	0.0%
Motorcycle - 2	0	0.0%	0.0%	0	0.0%	0.0%
Bus	252	30.5%	32.8%	62	36.7%	41.2%
Rail	39	4.7%	5.9%	10	5.9%	7.2%
Bike	24	2.9%	1.6%	6	3.6%	3.3%
Walk	27	3.3%	2.2%	7	4.1%	2.6%
Telework	18	2.2%	2.3%	16	9.5%	9.8%
CWW	1	0.1%	0.3%	1	0.6%	1.3%
Boarded Ferry with Car/Van/Bus	5	0.6%	0.8%	1	0.6%	1.3%
Used Ferry As Walk On	27	3.3%	1.2%	7	4.1%	1.3%
Other	17	2.1%	0.5%	5	3.0%	1.3%

* Drive alone mode includes fill-in, where applicable.

Commute Trips By Mode - Affected Employees

Q.4a: Last week, what type of transportation did you use each day to commute TO your usual work location? (Mode used for the longest distance.)

Mode Split - Affected Employees



Mode	Trips During This Survey Week	% of Trips During This Survey Week	% of Trips During Previous Survey Week	Employees Who Used This Mode at Least Once During This Survey Week	% of Employees Who Used This Mode at Least Once During This Survey Week	% of Employees Who Used This Mode at Least Once During Previous Survey Week
Drive Alone *	224	28.2%	27.4%	61	37.9%	42.0%
Carpool	81	10.2%	10.6%	21	13.0%	14.7%
Vanpool	91	11.5%	13.2%	19	11.8%	14.7%
Motorcycle - 1	0	0.0%	0.0%	0	0.0%	0.0%
Motorcycle - 2	0	0.0%	0.0%	0	0.0%	0.0%
Bus	243	30.6%	33.8%	59	36.6%	42.0%
Rail	39	4.9%	5.5%	10	6.2%	7.0%
Bike	22	2.8%	1.7%	5	3.1%	3.5%
Walk	27	3.4%	2.3%	7	4.3%	2.8%
Telework	17	2.1%	2.3%	15	9.3%	9.8%
CWW	1	0.1%	0.3%	1	0.6%	1.4%
Boarded Ferry with Car/Van/Bus	5	0.6%	0.9%	1	0.6%	1.4%
Used Ferry As Walk On	27	3.4%	1.3%	7	4.3%	1.4%
Other	17	2.1%	0.6%	5	3.1%	1.4%

* Drive alone mode includes fill-in, where applicable.



Alternative Modes - Number of Employees Who Used a Non-Drive Alone Mode:

Non-Drive Alone Number Of Days	Exactly this # of Employees	Exactly this % of Employees	At least # of Employees	At least % of employees
0 Day	33	20%	169	100%
1 Days	12	7%	136	80%
2 Days	6	4%	124	73%
3 Days	10	6%	118	70%
4 Days	19	11%	108	64%
5 Days	79	47%	89	53%
6 or More Days	10	6%	10	6%

Work Schedules By Group - All Employees (This table shows the relationship between work schedule and commute mode)

Employees who worked:	Drive Alone 5 days / week		Drive Alone 3 or 4 days / week		Used Bus At Least 3 days / week		Carpooled At Least 3 days / week		Used Rail At Least 3 days / week		Vanpooled At Least 3 times / week		Biked or Walked At Least 3 Days / week		Used 'Other' Modes At Least 3 Days / week		Used Non-Drive Alone At Least 3 Days / week	
5 days a week	27	17.3%	13	8.3%	47	30.1%	14	9%	8	5.1%	20	12.8%	9	5.8%	3	1.9%	109	69.9%
4 days a week (4/10s)	0	0%	1	33.3%	2	66.7%	0	0%	0	0%	0	0%	0	0%	0	0%	2	66.7%
3 days a week	0	0%	0	0%	3	100%	0	0%	0	0%	0	0%	0	0%	0	0%	3	100%
9 days in 2 weeks (9/80)	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%
7 days in 2 weeks	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%
Other	0	0%	0	0%	0	0%	0	0%	1	33.3%	1	33.3%	0	0%	0	0%	3	100%

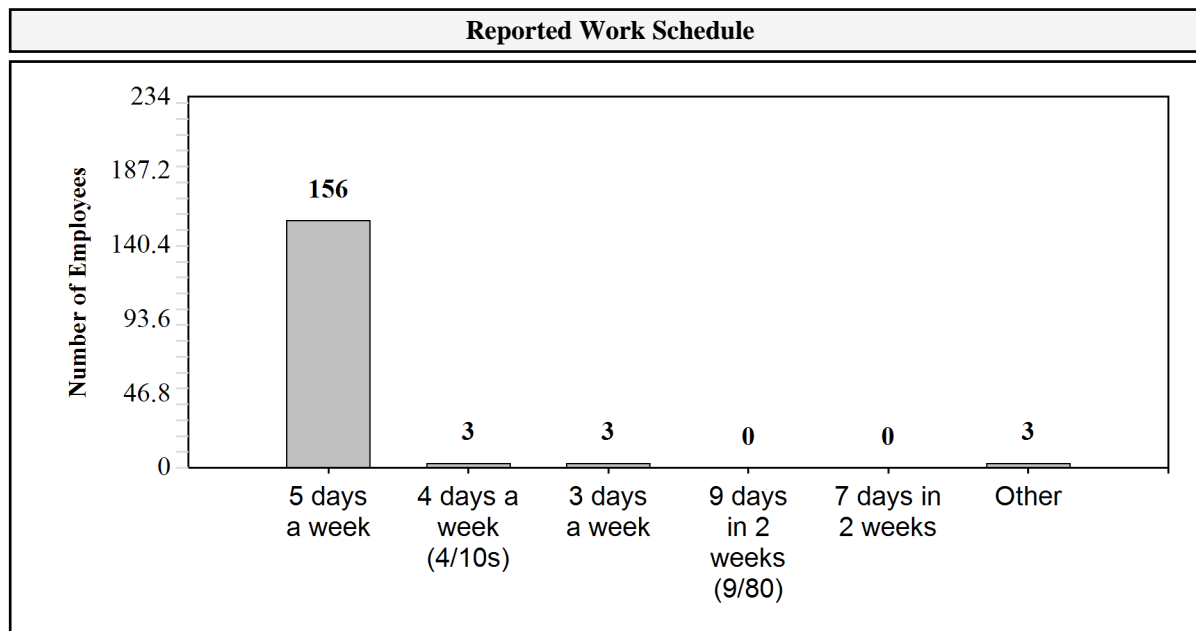
Count by Occupancy of Carpools, Vanpools, and Motorcycles

Q.4b If you used a carpool or vanpool as part of your commute, or if you ride a motorcycle, how many people (age 16 or older) are usually in the vehicle?

Ridesharing Occupancy	Mode	Response Count
1	Motorcycle	0
2	Motorcycle	0
2	Carpool	79
3	Carpool	0
4	Carpool	0
5	Carpool	0
>5	Carpool	2
<5	Vanpool	4
5	Vanpool	10
6	Vanpool	77
7	Vanpool	9
8	Vanpool	0
9	Vanpool	0
10	Vanpool	0
11	Vanpool	0
12	Vanpool	0
13	Vanpool	0
14	Vanpool	0
15	Vanpool	0

Reported Work Schedule - All Employees

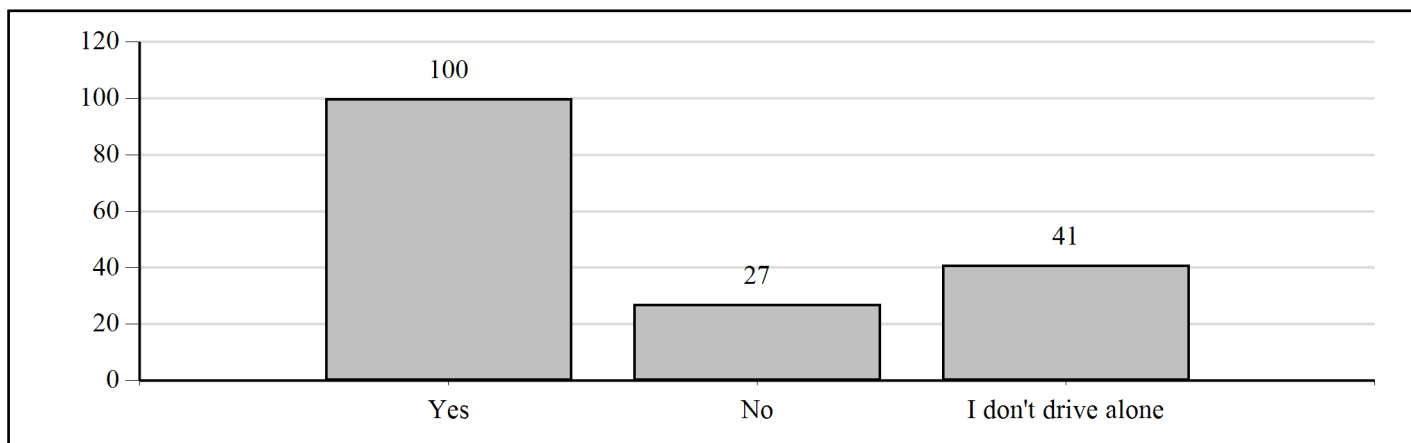
Q.5 Which of the following best describes your work schedule?



Reported Work Schedule	# Of Responses	% Of Employees
5 days a week	156	94.5%
4 days a week (4/10s)	3	1.8%
3 days a week	3	1.8%
9 days in 2 weeks (9/80)	0	0%
7 days in 2 weeks	0	0%
Other	3	1.8%

Parking and Telework

Q.9: On the most recent day that you drove alone to work, did you pay to park? (Mark "yes" if you paid that day, if you prepaid, if you are billed later, or if the cost of parking is deducted from your paycheck.)



Q.10: How many days do you typically telework?

Telework Frequency	# of Responses	% of Responses
No Answer/Blank	0	0.0%
I don't telework	116	68.6%
Occasionally, on an as-needed basis	35	20.7%
1-2 days/month	3	1.8%
1 day/week	13	7.7%
2 days/week	2	1.2%
3 days/week	0	0.0%

Reasons for driving alone to work/not driving alone to work

Q11. When you do not drive alone to work, what are the three most important reasons?

Question Text	# of Responses	% of Responses
Free or subsidized bus, train, vanpool pass or fare benefit	102	23.0%
Cost of parking or lack of parking	76	17.1%
To save money	66	14.9%
Personal health or well-being	46	10.4%
Environmental and community benefits	42	9.5%
To save time using the HOV lane	29	6.5%
Other	24	5.4%
Financial incentives for carpooling, bicycling or walking.	18	4.1%
I have the option of teleworking	18	4.1%
Driving myself is not an option	13	2.9%
Preferred/reserved carpool/vanpool parking is provided	6	1.4%
Emergency ride home is provided	4	0.9%
I receive a financial incentive for giving up my parking space	0	0.0%

Q12. When you drive alone to work, what are the three most important reasons?

Question Text	# of Responses	% of Responses
Riding the bus or train is inconvenient or takes too long	93	26.2%
Family care or similar obligations	81	22.8%
I like the convenience of having my car	70	19.7%
Other	62	17.5%
My job requires me to use my car for work	17	4.8%
My commute distance is too short	16	4.5%
Bicycling or walking isn't safe	10	2.8%
I need more information on alternative modes	5	1.4%
There isn't any secure or covered bicycle parking	1	0.3%

Employee Transit Use - All Employees

Q 13. Please indicate the number of one-way transit or walk-on ferry trips you took last week on each system listed below (for any purpose, not just getting to and from work). Please select "Other" if your transit isn't listed.

Trips/Week	Employees Making This Many Transit Trips in a Week									
	Community Transit	Everett Transit	Intercity Transit	King County Metro	Kitsap Transit	Pierce Transit	Sound Transit	Whatcom Transportation Authority	Ferry as Walk-On	Other
1	3	0	0	7	1	1	4	0	2	1
2	2	0	0	9	1	0	2	0	0	1
3	0	0	0	6	0	0	1	0	0	0
4	1	0	0	3	0	0	1	0	0	1
5	2	0	0	10	1	0	5	0	2	1
6	0	0	0	3	1	0	1	0	2	0
7	0	0	0	2	0	0	0	0	0	0
8	2	0	0	7	0	1	2	0	1	0
9	0	0	0	0	0	0	0	0	0	0
10	2	0	0	18	0	0	7	0	3	2
11 or more	0	0	0	5	0	0	3	0	0	0
# Of Employees using Transit	12	0	0	70	4	2	26	0	10	6
Total One-Way Transit Trips Per Week	57	0	0	474	14	9	184	0	62	32

Employee Transit Use - Affected Employees

Q 13. Please indicate the number of one-way transit or walk-on ferry trips you took last week on each system listed below (for any purpose, not just getting to and from work). Please select "Other" if your transit isn't listed.

Trips/Week	Employees Making This Many Transit Trips in a Week									
	Community Transit	Everett Transit	Intercity Transit	King County Metro	Kitsap Transit	Pierce Transit	Sound Transit	Whatcom Transportation Authority	Ferry as Walk-On	Other
1	3	0	0	7	1	1	4	0	2	1
2	2	0	0	9	1	0	2	0	0	1
3	0	0	0	5	0	0	1	0	0	0
4	1	0	0	3	0	0	1	0	0	0
5	2	0	0	10	1	0	5	0	2	1
6	0	0	0	2	1	0	0	0	2	0
7	0	0	0	2	0	0	0	0	0	0
8	2	0	0	7	0	1	2	0	1	0
9	0	0	0	0	0	0	0	0	0	0
10	2	0	0	17	0	0	7	0	3	2
11 or more	0	0	0	4	0	0	3	0	0	0
# Of Employees using Transit	12	0	0	66	4	2	25	0	10	5
Total One-Way Transit Trips Per Week	57	0	0	435	14	9	178	0	62	28

Commute Mode By ZipCode for All Employees

Q8. What is your home zip code?

Home Zip code	Total Employees	Employee Percentage	Weekly Count of Trips By Mode												
			Drive Alone	Carpool	Vanpool	Motorcycle	Bus	Train	Bike	Walk	Telework	CWW	Ferry (Car/Van/Bus)	Ferry (walk-on)	Other
98001	1	0.59%	0	0	0	0	5	0	0	0	0	0	0	0	0
98002	1	0.59%	5	0	0	0	0	0	0	0	0	0	0	0	0
98003	4	2.37%	0	0	5	0	13	0	0	0	0	0	0	0	0
98006	2	1.18%	0	0	0	0	9	0	0	0	0	0	0	0	0
98008	1	0.59%	5	0	0	0	0	0	0	0	0	0	0	0	0
98012	3	1.78%	6	4	0	0	4	0	0	0	1	0	0	0	0
98020	1	0.59%	5	0	0	0	0	0	0	0	0	0	0	0	0
98022	1	0.59%	0	0	0	0	0	4	0	0	0	0	0	0	0
98023	3	1.78%	0	0	10	0	0	5	0	0	0	0	0	0	0
98026	4	2.37%	6	2	5	0	4	0	0	0	0	0	0	0	1
98027	2	1.18%	5	0	0	0	5	0	0	0	0	0	0	0	0
98029	1	0.59%	0	0	0	0	5	0	0	0	0	0	0	0	0
98031	3	1.78%	5	2	0	0	0	8	0	0	1	0	0	0	0
98032	1	0.59%	0	0	5	0	0	0	0	0	0	0	0	0	0
98033	2	1.18%	0	0	4	0	5	0	0	0	0	0	0	0	1
98034	1	0.59%	0	0	5	0	0	0	0	0	0	0	0	0	0
98036	5	2.96%	8	4	0	0	9	0	0	0	1	1	0	0	0
98037	2	1.18%	5	0	0	0	0	0	0	0	0	0	0	0	5
98040	2	1.18%	11	0	0	0	0	0	0	0	0	0	0	0	0
98042	3	1.78%	2	7	0	0	0	4	0	0	1	0	0	0	0
98056	1	0.59%	0	5	0	0	0	0	0	0	0	0	0	0	0
98057	1	0.59%	0	0	0	0	5	0	0	2	0	0	0	0	0
98059	1	0.59%	3	0	0	0	1	0	0	0	1	0	0	0	0
98072	2	1.18%	5	0	0	0	5	0	0	0	0	0	0	0	0
98087	2	1.18%	4	0	0	0	6	0	0	0	0	0	0	0	0
98092	1	0.59%	0	0	0	0	5	0	0	0	0	0	0	0	0



98102	3	1.78%	1	0	0	0	4	0	5	3	0	0	0	0	0
98103	4	2.37%	4	8	5	0	1	0	0	0	1	0	0	0	0
98104	2	1.18%	0	0	0	0	10	0	0	0	0	0	0	0	0
98105	1	0.59%	0	0	0	0	3	0	0	0	0	0	0	0	0
98106	4	2.37%	10	0	5	0	5	0	0	0	0	0	0	0	0
98107	2	1.18%	2	0	0	0	5	0	0	0	0	0	0	0	0
98108	4	2.37%	5	7	5	0	5	0	0	0	0	0	0	0	0
98109	5	2.96%	11	0	0	0	4	0	0	7	0	0	0	0	5
98110	3	1.78%	0	0	0	0	0	0	0	0	1	0	0	10	0
98112	3	1.78%	5	1	0	0	9	0	0	0	0	0	0	0	0
98115	5	2.96%	5	0	5	0	9	0	0	0	1	0	0	0	0
98116	6	3.55%	7	5	0	0	16	0	0	0	0	0	0	0	0
98117	5	2.96%	11	0	0	0	7	0	2	0	1	0	0	0	0
98118	5	2.96%	9	9	0	0	2	0	0	0	0	0	0	0	5
98119	3	1.78%	7	0	0	0	6	0	0	2	0	0	0	0	0
98121	3	1.78%	0	2	0	0	0	0	0	13	0	0	0	0	0
98122	2	1.18%	4	0	0	0	5	0	0	0	1	0	0	0	0
98125	5	2.96%	4	0	5	0	12	0	3	0	0	0	0	0	0
98126	4	2.37%	0	5	10	0	5	0	0	0	0	0	0	0	0
98133	5	2.96%	11	2	3	0	10	0	0	0	1	0	0	0	0
98136	3	1.78%	1	0	4	0	10	0	0	0	0	0	0	0	0
98144	7	4.14%	12	0	0	0	20	0	2	0	2	0	0	0	0
98146	2	1.18%	5	0	0	0	0	0	6	0	0	0	0	0	0
98148	1	0.59%	5	0	0	0	0	0	0	0	0	0	0	0	0
98155	3	1.78%	1	8	5	0	0	0	0	0	0	0	0	0	0
98168	3	1.78%	6	0	9	0	0	0	0	0	0	0	0	0	0
98177	1	0.59%	5	0	0	0	0	0	0	0	0	0	0	0	0
98178	1	0.59%	0	5	0	0	0	0	0	0	0	0	0	0	0
98188	2	1.18%	10	0	0	0	0	0	0	0	0	0	0	0	0
98198	1	0.59%	0	0	5	0	0	0	0	0	0	0	0	0	0
98199	3	1.78%	0	0	0	0	15	0	0	0	0	0	0	0	0
98290	1	0.59%	5	0	0	0	0	0	0	0	0	0	0	0	0
98310	1	0.59%	0	0	0	0	0	0	0	0	2	0	0	3	0
98328	1	0.59%	5	0	0	0	0	0	0	0	0	0	0	0	0
98335	1	0.59%	4	0	0	0	0	0	0	0	1	0	0	0	0
98338	1	0.59%	2	0	0	0	0	3	0	0	0	0	0	0	0
98346	1	0.59%	0	0	0	0	0	0	0	0	0	0	5	0	0



98366	2	1.18%	0	0	0	0	0	0	0	0	1	0	0	9	0
98367	1	0.59%	0	0	0	0	0	0	0	0	0	0	0	5	0
98371	1	0.59%	0	0	5	0	0	0	0	0	0	0	0	0	0
98391	1	0.59%	0	0	0	0	0	5	0	0	0	0	0	0	0
98402	1	0.59%	1	0	0	0	0	4	0	0	0	0	0	0	0
98403	1	0.59%	0	0	0	0	0	0	6	0	0	0	0	0	0
98418	1	0.59%	0	0	0	0	3	2	0	0	0	0	0	0	0
98424	1	0.59%	2	5	0	0	0	0	0	0	0	0	0	0	0
98445	1	0.59%	0	0	0	0	5	0	0	0	0	0	0	0	0
98516	1	0.59%	0	0	0	0	0	4	0	0	1	0	0	0	0